Amendments to the Claims:

1.　(Currently Amended)　A system ~~for establishing an Internet Protocol (IP) connection with a terminating node, the system~~ comprising:

an originating node ~~capable of initiating~~ configured to initiate communication with ~~the~~ a terminating node; and

an intermediate node located between the originating node and the terminating node,

wherein the originating node is ~~capable of initiating~~ configured to initiate communication with the terminating node in a manner based upon at least one parameter for communication with at least one of the intermediate node ~~and~~ or the terminating node, wherein the originating node is ~~capable of initiating~~ configured to initiate communication by ~~one of~~ requesting communication with the terminating node via the intermediate node, ~~and~~ or notifying the terminating node of incoming data independent of the intermediate node, wherein ~~one of~~ the originating node ~~and~~ or the intermediate node is ~~capable of notifying~~ configured to notify the terminating node of incoming data when the originating node initiates communication by requesting communication with the terminating node via the intermediate node, and wherein the terminating node, upon being notified of incoming data, is ~~capable of registering~~ configured to register with the intermediate node to thereby enable ~~IP~~ Internet Protocol (IP) communication between the originating node and the terminating node via the intermediate node.

2.　(Currently Amended)　A system according to Claim 1, wherein the originating node is ~~capable of notifying~~ configured to notify the terminating node of incoming data further in accordance with a non-IP-based communication technique when the originating node initiates communication by notifying the terminating node of incoming data, and wherein ~~one of~~ the originating node ~~and~~ or the intermediate node is ~~capable of notifying~~ configured to notify the terminating node of incoming data further in accordance with a non-IP-based communication technique when the originating node initiates communication by requesting communication with the terminating node via the intermediate node.

3.   (Currently Amended) system according to Claim 2, wherein non-IP based communication comprises at least one of oral communication, text messaging, radio frequency (RF) communication, short messaging service (SMS) communication, multimedia messaging service (MMS) communication, and or instant messaging.

4.   (Currently Amended) A system according to Claim 1, wherein the originating node is capable of notifying configured to notify the terminating node of incoming data further in accordance with at least one wireless communication technique when the originating node initiates communication by notifying the terminating node of incoming data, and wherein one of the originating node and or the intermediate node is capable of notifying configured to notify the terminating node of incoming data further in accordance with the at least one wireless communication technique when the originating node initiates communication by requesting communication with the terminating node via the intermediate node.

5.   (Currently Amended) A system according to Claim 1, wherein the originating node is capable of initiating configured to initiate communication, and thereafter communicating communicate, with the terminating node in accordance with a plurality of different communication techniques.

6.   (Currently Amended) A system according to Claim 1, wherein the originating node is capable of requesting configured to request communication with the terminating node via the intermediate node sending a domain name service (DNS) query to at least one of a plurality of DNS servers to thereby trigger the at least one of a plurality of DNS servers to communicate with the intermediate node to request communication with the terminating node.

7.   (Currently Amended) A system according to Claim 6, wherein the originating node is capable of sending configured to send the DNS query to a first DNS server, wherein a second DNS server communicates with the intermediate node to request communication with the terminating node, and wherein the second DNS server comprises one of the first DNS server and

or a DNS server different from the first DNS server.

8.   (Currently Amended) A system according to Claim 1, wherein the intermediate node is ~~capable of establishing~~ configured to establish a tunnel with the terminating node in response to the terminating node registering with the intermediate node,

and wherein the originating node is ~~capable of communicating~~ configured to communicate with the terminating node at least partially via the tunnel.

9.   (Currently Amended) A system according to Claim 8, wherein the intermediate node is further ~~capable of assigning~~ configured to assign a public IP address to the terminating node,

and wherein the originating node is ~~capable of communicating~~ configured to communicate with the terminating node by sending data based upon the public IP address of the terminating node assigned by the intermediate node.

10.   (Currently Amended) A system according to Claim 8, wherein the intermediate node is ~~capable of establishing~~ configured to establish the tunnel based upon a registration message from the terminating node via at least one of a network address translator (NAT) ~~and~~ or a firewall (FW) located between the intermediate node and the terminating node,

and wherein the originating node is ~~capable of communicating~~ configured to communicate with the terminating node at least partially via the tunnel in a manner independent of the at least one of the NAT ~~and~~ or the FW.

11.   (Currently Amended) A system according to Claim 1, wherein the terminating node is ~~capable of registering~~ configured to register with the intermediate node ~~such that~~ to thereby enable the intermediate node ~~creates~~ to create a registration entry that includes a public IP address assigned to the terminating node,

and wherein the originating node is ~~capable of communicating~~ configured to communicate with the terminating node ~~such that~~ to thereby enable the intermediate node

~~operates~~ to operate as a proxy based upon the registration entry.

12.   (Currently Amended) A system according to Claim 11, wherein the public IP address assigned to the terminating node comprises a public IP address assigned to the terminating node by a network address translator (NAT), wherein the intermediate node is ~~capable of receiving~~ configured to receive data from the originating node, and forwarding the data based upon the public IP address ~~such that~~ to thereby enable the NAT ~~is capable of transforming~~ to transform the public IP address assigned to the terminating node into a private IP address associated with the terminating node, and thereafter ~~forwarding~~ forward the data from the NAT to the terminating node based upon the private IP address of the terminating node.

13.   (Currently Amended) A system according to Claim 1, wherein the originating node comprises ~~one of~~ a mobile terminal ~~and~~ or a fixed terminal, and wherein ~~one of~~ the mobile terminal ~~and~~ or fixed terminal is ~~capable of notifying~~ configured to notify the terminating node of incoming data.

14.   (Currently Amended) A system according to Claim 1, wherein ~~one of~~ the originating node ~~and~~ or the intermediate node comprises a Session Initiation Protocol (SIP) client, and wherein the SIP client is ~~capable of communicating~~ configured to communicate with a SIP proxy to thereby trigger the SIP proxy to notify the terminating node of incoming data.

15.   (Currently Amended) A system according to Claim 1 further comprising:
       at least one of a network address translator (NAT) ~~and~~ or a firewall (FW) located between the intermediate node and the terminating node,
       wherein ~~one of~~ the originating node ~~and~~ or the intermediate node is ~~capable of communicating~~ configured to communicate with the at least one of the NAT ~~and~~ or FW to thereby trigger the at least one of the NAT ~~and~~ or FW to notify the terminating node of incoming data.

16.   (Currently Amended) A system according to Claim 15, wherein ~~one of~~ the originating node ~~and~~ or the intermediate node is ~~capable of communicating~~ configured to communicate with the at least one of the NAT ~~and~~ or FW ~~such that~~ to thereby enable the at least one of the NAT ~~and~~ or FW ~~communicates~~ to communicate with a network gateway support node to thereby trigger the network gateway support node to notify the terminating node of incoming data.

17.   (Currently Amended) A system according to Claim 1, wherein ~~one of~~ the originating node ~~and~~ or the intermediate node is ~~capable of communicating~~ configured to communicate with another network node to thereby trigger the other network node to notify the terminating node of incoming data.

18.   (Currently Amended)   A method ~~of establishing an Internet Protocol (IP) connection with a terminating node, the method~~ comprising:

receiving a notification of incoming data at ~~the~~ a terminating node from ~~one of~~ an originating node ~~and~~ or an intermediate node located between the originating node and the terminating node; and

registering the terminating node with the intermediate node in response to receiving the notification at the terminating node to thereby enable ~~IP~~ Internet Protocol (IP) communication between the originating node and the terminating node via the intermediate node.

19.   (Original) A method according to Claim 18, wherein notifying the terminating node comprises notifying the terminating node of incoming data further in accordance with a non-IP-based communication technique.

20.   (Currently Amended) A method according to Claim 19, wherein notifying the terminating node comprises notifying the terminating node of incoming data further in accordance with at least one of oral communication, text messaging, radio frequency (RF)

communication, short messaging service (SMS) communication, multimedia messaging service (MMS) communication, and or instant messaging.

21.   (Original) A method according to Claim 18, wherein notifying the terminating node comprises notifying the terminating node of incoming data further in accordance with at least one wireless communication technique.

22.   (Original) A method according to Claim 18 further comprising:

communicating between the originating node and the terminating node, wherein notifying the terminating node and communicating between the originating node and terminating node occur in accordance with a plurality of different communication techniques.

23.   (Currently Amended) A method according to Claim 18 further comprising:

requesting communication with the terminating node from the originating node via the intermediate node by sending a domain name service (DNS) query to at least one of a plurality of DNS servers to thereby trigger the at least one of a plurality of DNS servers to communicate with the intermediate node such that to thereby enable the intermediate node notifies to notify the terminating node of incoming data.

24.   (Currently Amended) A method according to Claim 23, wherein requesting communication comprises requesting communication with the terminating node from the originating node via the intermediate node by sending a DNS query to a first DNS server to thereby trigger a second DNS server to communicate with the intermediate node such that to thereby enable the intermediate node notifies to notify the terminating node of incoming data, and wherein the second DNS server comprises one of the first DNS server and or a DNS server different from the first DNS server.

25.   (Original) A method according to Claim 18 further comprising:

establishing a tunnel between the intermediate node and the terminating node in response

to registering the terminating node with the intermediate node; and

communicating between the originating node and the terminating node at least partially via the tunnel.

26. (Original) A method according to Claim 25, wherein registering the terminating node includes assigning a public IP address to the terminating node, and wherein communicating comprises sending data from the originating node to the terminating node based upon the public IP address assigned to the terminating node.

27. (Currently Amended) A method according to Claim 25, wherein establishing a tunnel comprises establishing a tunnel based upon a registration message from the terminating node via at least one of a network address translator (NAT) and or a firewall (FW) located between the intermediate node and the terminating node,

and wherein communicating comprises communicating between the originating node and the terminating node at least partially via the tunnel in a manner independent of the at least one of the NAT and or the FW.

28. (Currently Amended) A method according to Claim 18, wherein registering the terminating node comprises registering the terminating node such that to thereby enable the intermediate node creates to create a registration entry that includes a public IP address assigned to the terminating node, and wherein the method further comprises:

communicating between the originating node and the terminating node via the intermediate node such that to thereby enable the intermediate node operates to operate as a proxy based upon the registration entry.

29. (Currently Amended) A method according to Claim 28, wherein the public IP address assigned to the terminating node comprises a public IP address assigned to the terminating node by a network address translator (NAT), and wherein communicating comprises:

receiving data from the originating node at the intermediate node; and

forwarding the data based upon the public IP address ~~such that~~ to thereby enable the NAT ~~is capable of transforming~~ to transform the public IP address assigned to the terminating node into a private IP address associated with the terminating node, and thereafter forwarding the data from the NAT to the terminating node based upon the private IP address of the terminating node.

30.   (Currently Amended) A method according to Claim 18, wherein the originating node comprises ~~one of~~ a mobile terminal ~~and~~ or a fixed terminal, and wherein receiving a notification comprises receiving a notification from ~~one of~~ the mobile terminal ~~and~~ or fixed terminal.

31.   (Currently Amended) A method according to Claim 18, wherein ~~one of~~ the originating node ~~and~~ or the intermediate node comprises a Session Initiation Protocol (SIP) client, and wherein receiving a notification comprises receiving a notification from a SIP proxy in response to the SIP proxy being triggered by the SIP client to notify the terminating node of incoming data.

32.   (Currently Amended) A method according to Claim 18, wherein receiving a notification comprises receiving a notification from at least one of a network address translator (NAT) ~~and~~ or a firewall (FW) located between the intermediate node and the terminating node, and wherein receiving a notification comprises receiving a notification in response to the at least one of the NAT ~~and~~ or FW being triggered by ~~one of~~ the originating node ~~and~~ or the intermediate node to notify the terminating node of incoming data.

33.   (Currently Amended) A method according to Claim 32, wherein receiving a notification comprises receiving a notification from a network gateway support node in response to the network gateway support node being triggered by at least one of the NAT ~~and~~ or FW to notify the terminating node of incoming data.

34.   (Currently Amended) A method according to Claim 18, wherein receiving a notification comprises receiving a notification from another network node in response to the other network node being triggered by ~~one of~~ the originating node ~~and~~ or the intermediate node to notify the terminating node of incoming data.

35.   (Currently Amended) ~~A terminal~~ An apparatus comprising:

a controller ~~capable of receiving~~ configured to receive a notification of incoming data from ~~one of~~ an originating node ~~and~~ or an intermediate node located between the originating node and the ~~terminal~~ apparatus, wherein the controller is also ~~capable of registering~~ configured to register the ~~terminal~~ apparatus with the intermediate node in response to receiving the notification to thereby enable ~~IP~~ Internet Protocol (IP) communication between the originating node and the ~~terminal~~ apparatus via the intermediate node.

36.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is ~~capable of receiving~~ configured to receive the notification further in accordance with a non-IP-based communication technique.

37.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 36, wherein the controller is ~~capable of receiving~~ configured to receive the notification further in accordance with at least one of text messaging, radio frequency (RF) communication, short messaging service (SMS) communication, multimedia messaging service (MMS) communication, ~~and~~ or instant messaging.

38.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is ~~capable of receiving~~ configured to receive the notification further in accordance with at least one wireless communication technique.

39.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is further ~~capable of communicating~~ configured to communicate with the

originating node, and wherein the controller is ~~capable of receiving~~ configured to receive the notification and ~~communicating~~ communicate with the originating node in accordance with a plurality of different communication techniques.

40. (Currently Amended) ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is ~~capable of receiving~~ configured to receive the notification in response to the originating node requesting communication with the ~~terminal~~ apparatus via the intermediate node by sending a domain name service (DNS) query to at least one of a plurality of DNS servers to thereby trigger the at least one of a plurality of DNS servers to communicate with the intermediate node ~~such that~~ to thereby enable the intermediate node ~~sends~~ to send the notification to the ~~terminal~~ apparatus.

41. (Currently Amended) ~~A terminal~~ An apparatus according to Claim 40, wherein the controller is ~~capable of receiving~~ configured to receive the notification in response to the originating node requesting communication comprises requesting communication with the terminating node via the intermediate node by sending the DNS query to a first DNS server to thereby trigger a second DNS server to communicate with the intermediate node ~~such that~~ to thereby enable the intermediate node ~~notifies~~ to notify the terminating node of incoming data, and wherein the second DNS server comprises ~~one of~~ the first DNS server ~~and~~ or a DNS server different from the first DNS server.

42. (Currently Amended) ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is ~~capable of registering~~ configured to register the ~~terminal such that~~ apparatus to thereby enable the intermediate node ~~establishes~~ to establish a tunnel between the intermediate node and the ~~terminal~~ apparatus in response to registering the ~~terminal~~ apparatus with the intermediate node, and wherein the controller is ~~capable of communicating~~ configured to communicate with the originating node at least partially via the tunnel.

43. (Currently Amended) ~~A terminal~~ An apparatus according to Claim 42, wherein

the controller is ~~capable of registering~~ configured to register the ~~terminal such that~~ apparatus to thereby enable the intermediate node ~~assigns~~ to assign a public IP address to the ~~terminal~~ apparatus, and wherein the controller is ~~capable of receiving~~ configured to receive data sent from the originating node to the ~~terminal~~ apparatus based upon the public IP address assigned to the ~~terminal~~ apparatus.

44.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 42, wherein the controller is ~~capable of sending~~ configured to send a registration message to the intermediate node via at least one of a network address translator (NAT) ~~and~~ or a firewall (FW) located between the intermediate node and the ~~terminal~~ apparatus to thereby register the ~~terminal~~ apparatus, and wherein the controller is ~~capable of communicating~~ configured to communicate with the originating node at least partially via the tunnel in a manner independent of the at least one of the NAT ~~and~~ or the FW.

45.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is ~~capable of registering~~ configured to register the ~~terminal such that~~ apparatus to thereby enable the intermediate node ~~creates~~ to create a registration entry that includes a public IP address assigned to the ~~terminal~~ apparatus, and wherein the controller is ~~capable of communicating~~ configured to communicate with the originating node via the intermediate node ~~such that~~ to thereby enable the intermediate node ~~operates~~ to operate as a proxy based upon the registration entry.

46.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 45, wherein the public IP address assigned to the ~~terminal~~ apparatus comprises a public IP address assigned to the ~~terminal~~ apparatus by a network address translator (NAT), and wherein the controller is ~~capable of communicating~~ configured to communicate with the originating node ~~such that~~ to thereby enable the intermediate node ~~receives~~ to receive data from the originating node, and ~~forwards~~ forward the data based upon the public IP address ~~such that~~ to thereby enable the NAT ~~is capable of transforming~~ to transform the public IP address assigned to the ~~terminal~~ apparatus

into a private IP address associated with the ~~terminal~~ apparatus, and thereafter ~~forwarding~~ forward the data from the NAT to the controller based upon the private IP address of the ~~terminal~~ apparatus.

47.   (Currently Amended)   ~~A terminal~~ An apparatus according to Claim 35, wherein the originating node comprises ~~one of~~ a mobile ~~terminal and~~ apparatus or a fixed ~~terminal~~ apparatus, and wherein the controller is ~~capable of receiving~~ configured to receive the notification from ~~one of~~ the mobile ~~terminal and~~ apparatus or fixed ~~terminal~~ apparatus.

48.   (Currently Amended)   ~~A terminal~~ An apparatus according to Claim 35, wherein ~~one of~~ the originating node ~~and~~ or the intermediate node comprises a Session Initiation Protocol (SIP) client, and wherein the controller is ~~capable of receiving~~ configured to receive the notification from a SIP proxy in response to the SIP proxy being triggered by the SIP client to notify the ~~terminal~~ apparatus of incoming data.

49.   (Currently Amended)   ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is ~~capable of receiving~~ configured to receive the notification from at least one of a network address translator (NAT) ~~and~~ or a firewall (FW) located between the intermediate node and the ~~terminal~~ apparatus, and wherein the controller is ~~capable of receiving~~ configured to receive the notification in response to the at least one of the NAT ~~and~~ or FW being triggered by ~~one of~~ the originating node ~~and~~ or the intermediate node to notify the ~~terminal~~ apparatus of incoming data.

50.   (Currently Amended)   ~~A terminal~~ An apparatus according to Claim 49, wherein the controller is ~~capable of receiving~~ configured to receive the notification from a network gateway support node in response to the network gateway support node being triggered by at least one of the NAT ~~and~~ or FW to notify the ~~terminal~~ apparatus of incoming data.

51.   (Currently Amended) ~~A terminal~~ An apparatus according to Claim 35, wherein the controller is ~~capable of receiving~~ configured to receive the notification from another network node in response to the other network node being triggered by ~~one of~~ the originating node ~~and~~ or the intermediate node to notify the ~~terminal~~ apparatus of incoming data.

52.   (Currently Amended) A system ~~for establishing an Internet Protocol (IP) connection~~ comprising:
      a network address translator (NAT) located between an originating node and a terminating node, wherein the NAT is ~~capable of receiving~~ configured to receive a communication request from a network node, and in response to the connection request, ~~notifying~~ notify the terminating node of incoming data ~~such that~~ to thereby enable the terminating node ~~registers~~ to register with an intermediate node located between the originating node and the NAT to thereby enable ~~IP~~ Internet Protocol (IP) communication between the originating node and the terminating node via the intermediate node.

53.   (Currently Amended) A system according to Claim 52, wherein the NAT is ~~capable of notifying~~ configured to notify the terminating node via a network gateway support node of a network including the terminating node.

54.   (Currently Amended) A system according to Claim 52, wherein the NAT is ~~capable of receiving~~ configured to receive the communication request from ~~one of~~ the originating node ~~and~~ or the intermediate node.

55.   (Currently Amended) A system according to Claim 52 further comprising:
      an intermediate node ~~capable of establishing~~ configured to establish a tunnel with the terminating node in response to the terminating node registering with the intermediate node ~~such that~~ to thereby enable the originating node ~~is capable of communicating~~ to communicate with the terminating node at least partially via the tunnel.

56.   (Currently Amended) A system according to Claim 55, wherein the intermediate node is further ~~capable of assigning~~ configured to assign a public IP address to the terminating node ~~such that~~ to thereby enable the originating node ~~is capable of communicating~~ to communicate with the terminating node by sending data based upon the public IP address of the terminating node assigned by the intermediate node.

57.   (Currently Amended) A system according to Claim 55, wherein the intermediate node is ~~capable of establishing~~ configured to establish the tunnel based upon a registration message from the terminating node via the NAT, and wherein the intermediate node is ~~capable of establishing~~ configured to establish a tunnel with the terminating node to permit the originating node to communicate with the terminating node at least partially via the tunnel in a manner independent of the NAT.

58.   (Currently Amended) A system according to Claim 54 further comprising:
    an intermediate node ~~capable of receiving~~ configured to receive a registration message from the terminating node, and thereafter ~~creating~~ create a registration entry that includes a public IP address assigned to the terminating node, ~~wherein originating node is capable of communicating with the terminating node such that , and~~ wherein the intermediate node is ~~capable of operating~~ configured to operate as a proxy during communication between the originating node and the terminating node based upon the registration entry.

59.   (Currently Amended) ~~A terminating node~~ An apparatus comprising;
    a receiving means for receiving a notification of incoming data from ~~one of~~ an originating node ~~and~~ or an intermediate node located between the originating node and the ~~terminating node~~ apparatus; and
    a registering means for registering the ~~terminating node~~ apparatus with the intermediate node in response to the receiving means receiving the notification to thereby enable Internet Protocol (IP) communication between the originating node and the ~~terminating node~~ apparatus via the intermediate node.